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# XA 53.5Y.M.A Microbalance

WL-109-0018

More information on the website
mirror.radwag.com/us/info,w1,OS6


The drawings, photos and graphics used are for illustrative purposes only.

## Functions

- Autotest
- Dosing
- Percent Weighing
- Parts counting
- Peak hold
- Formulation
- Newton unit measurement
- Statistics
- Checkweighing
- IR sensors
- GLP Procedures
- Animal weighing
- Pipettes Calibration
- Air density correction
- Automatic sliding door
- Density determination
- Differential weighing
- Ambient conditions monitoring
- Statistical Quality Control
- Packaged Goods Control
- ALIBI Memory
- Wi-Fi

## Datasheet

| Metrological parameters | |
|---|---|
| Maximum capacity [Max] | 53 g |
| Minimum load | 0,1 mg |

| | |
|---|---|
| **Metrological parameters** | |
| Readability [d] | 1 µg |
| Verification unit [e] | 1 mg |
| Tare range | -53 g |
| Minimum weight (USP) | 1,4 mg |
| Minimum weight (U=1%, k=2) | 0,14 mg |
| Standard repeatability [5% Max] | 0,7 µg |
| Permissible repeatability [5% Max] | 3 µg |
| Linearity | ±20 µg |
| Eccentric load deviation | 20 µg |
| Sensitivity time drift | $1\times10^{-6}$/Year×Rt |
| Stabilization time | ~ 3,5 s |
| Adjustment | internal (automatic) |
| OIML Class | I |
| **Physical parameters** | |
| Leveling system | automatic – Reflex Level System |
| Display | 10" graphic colour touchscreen |
| Weighing chamber doors | automatic |
| Delivery components | Microbalance, weighing pan, weighing pan shield, power supply, brush, fabric dust cover. |
| Weighing chamber dimensions | 199×170×217 mm |
| Weighing pan dimensions | ø30 mm |
| Packaging dimensions W x D x H | 750×492×595 mm |
| Net weight | 14,5 kg |
| Gross weight | 20 kg |
| **Construction** | |
| Protection class | IP 43 |
| **Communication interface** | |
| Communication interface | 2×USB-A, USB-C, RS 232 (COM3), HDMI, Ethernet, Wi-Fi, Hotspot |
| **Electrical parameters** | |
| Power supply | Adapter: 100 – 240V AC 50/60Hz 1A Max; 15V DC 2,4A<br>Balance: 12 – 15V DC 1,6A max; 10 – 19W* |
| **Environmental conditions** | |
| Operating temperature | +10 – +40 °C |
| Operating temperature change rate | ±0,3 °C / 1 h (±1 °C / 8 h) |
| Relative humidity | 40% – 80% |
| Relative humidity change rate | ±1% / h (±4% / 8 h) |

**Repeatability** is expressed as a standard deviation from 10 cycles of mass standard weighing.
**Stabilization time** dependson the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile.
***** The power supply can be connected to the socket on the back of the balance housing or to the terminal.

Additional fee for verification

## Accessories (Additional Fee)

MediaBox
RFID Tags
Antivibration tables
Power Adapters
Protective cover for balances
RS 232, RS 485 cables
Additional modules
Anti-Draft Chamber for Microbalances
Professional Weighing Tables
Barcode scanners
Automatic feeders
MICRO-KIT - Set of Holders for Microscale Glassware
Label Printers
THBR 2.0 System - Ambient Conditions Monitoring
Adapters for pipettes calibration
Anti-Draft Chamber for XA 4Y and XA 5Y Balances
Weighing dishes
Antistatic ionizer
Receipt Printer
Fingerprint Reader
Adapter for Pipettes Calibration
RS 232 – USB Converter
Under-pan weighing

## Software (Additional Fee)

• E2R Weighing [WX-010-0099]
• Label Editor R02 [WX-010-0094]
• Scale Editor - EWAG 2.1 [WX-010-0173]
• RAD Key [WX-010-0005]
• RADWAG Remote Desktop [WX-010-0107]
• RADWAG Development Studio [WX-010-0104]

## Device dimensions W x D x H